

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Cash Register/Controller for Retail Motor Fuel
Dispensers
Digital Electronic
Model: PA030X-YYYYYYY Series*
Generic Name: "G-Site System"

Submitted by:

Marconi Commerce Systems Inc.
(formerly Gilbarco Inc.)
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Standard Features and Options

* The manufacturer's model numbers for the components of the "G-Site System" are designated with the suffix X-YYYYYYY. The X character is a number which represents the specific component of the system as indicated below:

- | | |
|-------------------------|--|
| 1 - Mini Tower Case CPU | 6 - Distribution Box |
| 2 - Flat Terminal | 7 - Receipt Printer (Epson TM-60) |
| 3 - Monitor (9 inch) | 8 - Receipt Printer (Citizen IDP-353y) |
| 4 - Main Keyboard | |

Optional Components: PA0157-YYYYYYY Cash Drawer
PA0254-YY1YYYYY Receipt/Journal Printer
PA0254-YY0YYYYY Slip Printer
PA0272-YYYYYYY Roll Printer
Q13181-YY PC type QWERTY Keyboard

The Y characters for the mini tower and flat terminal are alphanumeric values which are described on Page 2. Designation of the Y characters for other components are denoted by alphanumeric values which represent various non-metrological specifications that are featured in the individual component unit.

Standard Features: Prepay and postpay transactions
Controls up to 32 dispensers or CRINDs
Recompute key marked "CONVERT" for cash/credit prices
Cathode ray tube (CRT) monitor
Customer sales receipt

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 1, 1999

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: March 23, 2000

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Marconi Commerce Systems Inc.
Cash Register/Controller for Retail Motor Fuel Dispensers
Model: PA030X-YYYYYYYY Series

Application: The device is used as a cash register/dispenser controller in retail motor fuel stations.

Model Designations:

MODEL: Mini Tower Case CPU	PA0301	Y						
AC Voltage Rating Varies (Mini Tower Case CPU)		Y						
I/O Mix (Mini Tower Case CPU)								
CPU, Console and Controller			0					
Terminal Tower, Console only			1					
C-8 Controller, Remote Controller			2					
C-4 Controller, Remote Controller, T15 or D15			3					
Variable Non-metrological Features				Y	Y	Y	Y	Y
MODEL: Flat Terminal	PA0302	Y						
AC Voltage Rating Varies (Flat Terminal)		Y						
I/O Mix (Flat Terminal)								
CPU, Console and Controller			0					
Variable Non-metrological Features				Y	Y	Y	Y	Y

Identification: The identification badge marked with the required information for the Marconi Commerce Systems Inc. G-Site System controller is located on the front housing and the front base of the CRT housing. Additionally, the controller model and serial number are available on the CRT monitor and may be accessed by pressing the Marconi Commerce Systems Inc. logo [G] key on the main keyboard.

Operation: The CRT contains three display fields: one for the status and information display of the dispensers, a second for cash register transactions and tax information, and a third for error messages.

The unit price for a particular delivery may be selected from the cash register/controller console after the pump handle has been raised. If a particular system has this capability, the unit price is not continuously displayed in the dispenser unit price display until the desired unit price is selected. Once the unit price is selected and continuously display, it cannot be changed from the console unless the pump handle is "off."

Test Conditions: This Certificate is issued based on information provided by the manufacturer to change the name of the company from the previous name, Gilbarco Inc., and to transfer ownership of the device covered under Certificate of Conformance Number 94-119 to Marconi Commerce Systems Inc. All institutional knowledge of the previous owner has been transferred to the new company. Test conditions for Certificate of Conformance Number 94-119 and its related Certificates are listed below for reference.

Certificate of Conformance Number 94-119: The software used with the PA030X system is identical to that used in the Gilbarco Inc. T-15 System previously evaluated under Certificate of Conformance Number 87-002.A1. This Certificate was issued without additional testing based on Certificate of Conformance Number 87-002.A1 and on information provided by the manufacturer.

Marconi Commerce Systems Inc.
Cash Register/Controller for Retail Motor Fuel Dispensers
Model: PA030X-YYYYYYYY Series

Test Conditions (Continued):

Certificate of Conformance Number 87-002.A1: The emphasis of the evaluation was on the design and operation of the C-2 controller (Model PA0211). The software used with the C-2 controller is identical to that used with the C-15 controller. Since the operation of the system using the C-2 controller is essentially identical to the C-15 controller, only a permanence test was required. The C-2 controller was placed into a field installation where it was tested initially and again 20 to 30 days later.

Certificate of Conformance Number 87-002: The emphasis of the examination was on the operation of the cash register/controller, the dispenser, and the customer sales receipt. The cash register and C-15 controller (Model PA0190) were interfaced with a multiple product dispenser (MPD) simulator. A system was then installed in a service station and tested initially, and then 20 to 30 days later.

The results of the evaluations indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: T. Scott (NC), R. Murdock (NC), H. Oppermann (NIST) 87-002 and 87-002.A1

Information Reviewed By: J. Williams (NIST) 94-119; L. Sebring (NIST) and G. Newrock (NIST) 99-184